

# LIST OF CONTENTS

## Volume 8, 1990

---

VOLUME 8, NUMBER 1

1990

### CONTENTS

#### ● SPECIAL ARTICLE

##### **Some Legal Issues of Turf: Relation to Magnetic Resonance**

A.E. James, Jr., O. Linton, A.E. James III, M.I. Shaff, R. Kessler, J.C. James, H.P. Pendergrass,  
and C.L. Partain

1

#### ● ORIGINAL CONTRIBUTIONS

##### **Separation of Spin Populations with Gradient Echoes as an Aid in Pulse Sequence Tuning**

J.C. Sandstrom and W.H. Perman

5

##### **RASEE: A Rapid Spin-Echo Pulse Sequence**

A.R. Bogdan and P.M. Joseph

13

##### **Radio Frequency Field Intensity Mapping Using a Composite Spin-Echo Sequence**

C.H. Oh, S.K. Hilal, Z.H. Cho, and I.K. Mun

21

##### **Bone Marrow Findings on Magnetic Resonance Images of the Knee: Accentuation by Fat Suppression**

E.M. Harned, D.G. Mitchell, D.L. Burk, Jr., S. Vinitski, and M.D. Rifkin

27

##### **Concomitant Magnetic Field Gradients and Their Effects on Imaging at Low Magnetic Field Strengths**

D.G. Norris and J.M.S. Hutchison

33

##### **Determination of $T_1$ and $T_2$ -Relaxation Times in the Spleen of Patients with Splenomegaly**

C. Thomsen, P. Josephsen, H. Karle, E. Juhl, P.G. Sørensen, and O. Henriksen

39

<b>MR Pulse Sequences for Selective Relaxation Time Measurements: A Phantom Study</b> C. Thomsen, K.E. Jensen, M. Jensen, E.R. Olsen, and O. Henriksen	43
<b>MRI Evaluation of AIDS-Related Encephalopathy: Toxoplasmosis vs. Lymphoma</b> M.C. Kupfer, C.-S. Zee, P.M. Colletti, W.D. Boswell, and R. Rhodes	51
<b>Three-Dimensional In Vivo ESR Imaging in Rats</b> M. Alecci, S. Colacicchi, P.L. Indovina, F. Momo, P. Pavone, and A. Sotgiu	59
<b>Short-Term Exposure to a 1.5 Tesla Static Magnetic Field Does Not Affect Somato-Sensory-Evoked Potentials in Man</b> C.Z. Hong and F.G. Shellock	65
<b>The Use of Gd-DOTA in Magnetic Resonance Imaging of Experimentally Induced Mammary Tumors</b> P.A. Bonnet, A. Michel, J.P. Fernandez, C. Cyteval, A. Rifai, M. Boucard, J.P. Chapat, and J.L. Lamarque	71
<b>Improved Contrast at 1.5 Tesla Using Half-Fourier Imaging: Application to Spin-Echo and Angiographic Imaging</b> E.M. Haacke, J. Mitchell, and D. Lee	79
<b>● CASE REPORTS</b>	
<b>Retroperitoneal Cystic Lymphangioma: MR Findings</b> L.J. Hovanessian, D.W. Larsen, J.K. Raval, and P.M. Colletti	91
<b>Magnetic Resonance Imaging of Spinal Intradural Granulocytic Sarcoma</b> P. Ang and C. Virapongse	95
<b>● NEW PATENTS</b>	
<b>New Patents and Published Patent Applications from the United States and Over 30 Other Countries</b>	I

---

VOLUME 8, NUMBER 2

1990

## CONTENTS

### ● ORIGINAL CONTRIBUTIONS

<b>Synthesis of Magnetic Gradients for NMR Tomography</b> P. Mustarelli, M. Rudnicki, A. Savini, F. Savoldi, and M. Villa	101
<b>Aortoiliac Imaging by Projective Phase Sensitive MR Angiography: Effects of Triggering and Timing of Data Acquisition on Image Quality</b> P. Lanzer, W. McKibbin, D. Bohning, B. Thorn, G. Gross, G. Cranney, N. Nanda, and G. Pohost	107
<b>MR Imaging of Degenerative Disorders of Brainstem and Cerebellum</b> M. Gallucci, A. Splendiani, A. Bozzao, M. Baldassarre, B. Beomonte Zobel, C. Masciocchi, and R. Passariello	117

<b>Evaluation of Syringomyelia and Chiari Malformations Using Ultra-Low Magnetic Resonance Imaging</b> L. Samuelsson, J. Sääf, L.-O. Wahlund, K.-Å. Thuomas, and K. Bergström	123
<b>Variable Flip Angle Imaging and Fat Suppression in Combined Gradient and Spin-Echo (GREASE) Techniques</b> S. Vinitski, D.G. Mitchell, J. Szumowski, D.L. Burk, Jr., and M.D. Rifkin	131
<b>Modified Gradients for Motion Suppression: Variable Echo Time and Variable Bandwidth</b> J.L. Duerk, O.P. Simonetti, and G.C. Hurst	141
<b>One-Dimensional Spectroscopic Imaging with Stimulated Echoes: Phantom and Human Leg Studies</b> E.F. Jackson, P.A. Narayana, and D.P. Flamig	153
<b>Volumetric Measurement of Canine Gliomas Using MRI</b> R.L. Galloway, Jr., R.J. Maciunas, A.L. Failing, and H.T. Whelan	161
<b>Investigation of Blood Flow Dynamics of NMR Angiography</b> Q. Guo, L. Friloux, and O. Nalcioğlu	167
<b>A Comparison of Models Used as Alternative Magnetic Resonance Image Reconstruction Methods</b> M.R. Smith and S.T. Nichols	173
<b>MRI Characterization of 9L-Glioma in Rat Brain at 4.7 Tesla</b> S.S. Rajan, L. Rosa, J. Francisco, A. Muraki, M. Carvlin, and E. Tuturea	185
<b>In Vivo Nuclear Magnetic Resonance Imaging and Spectroscopy of Aquatic Organisms</b> S.J. Blackband and M.K. Stoskopf	191

#### ● *NEW PATENTS*

<b>New Patents and Published Patent Applications from the United States and Over 30 Other Countries</b>	I
---	---

---

<b>VOLUME 8, NUMBER 3</b>	1990
---------------------------	------

### CONTENTS

#### ● *ORIGINAL CONTRIBUTIONS*

<b>Abdominal Aortic Aneurysm Evaluation: Comparison of US, CT, MRI, and Angiography</b> P. Pavone, E. Di Cesare, P. Di Renzi, L. Marsili, M. Ventura, C. Spartera, and R. Passariello	199
<b>Prostate Cancer: Comparison of Pre-Operative 0.35 T MRI with Whole-Mount Histopathology</b> D. Thickman, G.J. Miller, K.D. Hopper, and M. Raife	205
<b>Subtraction Technique for Contrast-Enhanced MR Images of Musculoskeletal Tumors</b> S.L. Hanna, J.W. Langston, S.A. Gronemeyer, and B.D. Fletcher	213
<b>MRI of the Skull</b> D.L. Kirsch, P.M. Colletti, C-S. Zee, S. Destian, and J.K. Raval	217



<b>Magnetic Resonance Imaging Features in Melanoma</b> H.F. Marx, P.M. Colletti, J.K. Raval, W.D. Boswell, Jr., and C-S. Zee	223
<b>Altered Condylar Morphology Associated with Disc Displacement in TMJ Dysfunction: Observations by MRI</b> V.M. Rao, A. Babaria, A. Manoharan, S. Mandel, N. Gottenhrer, H. Wank, and S. Grosse	231
<b>Effects of Recombinant Human Erythropoietin on the Haemopoietic Bone Marrow Monitored by Magnetic Resonance Spectroscopy in Patients with End-Stage Renal Disease</b> K.E. Jensen, D. Stenver, M. Jensen, P. Grundtvig, C. Thomsen, H. Karle, O. Henriksen, and B. Nielsen	237
<b>Magnetic Resonance Imaging of Nasopharyngeal and Paranasal Sinus Melanoma</b> S.M. Hammersmith, M.R. Terk, P.B. Jeffrey, S.G. Connolly, and P.M. Colletti	245
<b>A Comparative Study of Manganese meso-Sulfonatophenyl Porphyrins: Contrast-Enhancing Agents for Tumors</b> R.J. Fiel, D.A. Musser, E.H. Mark, R. Mazurchuk, and J.J. Alletto	255
<b>An Observation of Increased Contrast Due to Both <math>T_1</math> and <math>T_2</math> Weighting in a Synthetic Image</b> H.A. McRitchie, J.P. Ridgway, L.W. Turnbull, and D.M. Kean	261
<b>Detection of Hepatic Malignancies Using Mn-DPDP (Manganese Dipyridoxal Diphosphate) Hepatobiliary MRI Contrast Agent</b> S.W. Young, B. Bradley, H.H. Muller, and D.L. Rubin	267
<b>Signal-to-Noise Ratio Improvements in In Vivo High Resolution Micro-Volume Selected Spectroscopy</b> S. Crozier, J. Field, and D.M. Doddrell	277
<b>Effects of Osmotic Manipulation of Intracellular Hydration of HeLa S-3 Cells on Their Proton NMR Relaxation Times</b> D.N. Wheatley, J.E. Rimmington, and M.A. Foster	285
<b>The Line Shapes of the Water Proton Resonances of Red Blood Cells Containing Carbonyl Hemoglobin, Deoxyhemoglobin, and Methemoglobin: Implications for the Interpretation of Proton MRI at Fields of 1.5 T and Below</b> N.A. Matwiyoff, C. Gasparovic, R. Mazurchuk, and G. Matwiyoff	295
<b>Preautopsy Magnetic Resonance Imaging: Initial Experience</b> P.R. Ros, K.C. Li, P. Vo, H. Baer, and E.V. Staab	303
<b>MR Imaging of the Uterus: Low-Signal-Intensity Abnormalities of the Endometrium and Endometrial Cavity</b> J.J. Brown, S. Thurnher, and H. Hricak	309
<b>MRI of Intracranial Sinovenous Thrombosis: The Role of Phase Imaging</b> L. Nadel, I.F. Braun, K.A. Kraft, M.E. Jensen, and F.J. Laine	315
<b>The Influence of Chemical and Diffusive Exchange on Water Proton Transverse Relaxation in Plant Tissues</b> B.P. Hills and S.L. Duce	321
<b>Experimental Cerebral Infarction in the Rat: Utility of Gd-DOTA for MR Imaging</b> F.L. Van de Vyver and G.V. Peersman	333

● *CASE REPORT*

**Giant-Cell Tumor of the Tibia in a Child Presenting as an Expansile Metaphyseal Lesion with Fluid-Fluid Levels on MR**

P.C. Buetow, S. Newman, and M.J. Kransdorf

341

● *TECHNICAL NOTE*

**Slotted Resonator: Principles and Applications for High-Frequency Imaging and Spectroscopy on Electrically Conducting Samples**

E-J. Nijhof

345

● *NEW PATENTS*

**New Patents and Published Patent Applications from the United States and Over 30 Other Countries**

I

---

VOLUME 8, NUMBER 4

1990

**CONTENTS**

● *ORIGINAL CONTRIBUTIONS*

**Fast and Precise T<sub>1</sub> Imaging Using a TOMROP Sequence**

G. Brix, L.R. Schad, M. Deimling, and W.J. Lorenz

351

**Scaphoid Fractures and Kienbock's Disease of the Lunate: MR Imaging with Histopathologic Correlation**

T.S. Desser, S. McCarthy, and T. Trumble

357

**Relaxation Efficacy of Paramagnetic and Superparamagnetic Microspheres in Liver and Spleen**

A.K. Fahlvik, E. Holtz, and J. Klaveness

363

**High-Field MRI and US Evaluation of the Pelvis in Women with Leiomyomas**

M. Zawin, S. McCarthy, L.M. Scoutt, and F. Comite

371

**3D-SNAPSHOT FLASH NMR Imaging of the Human Heart**

D. Henrich, A. Haase, and D. Matthaei

377

**The Prospective Evaluation of Gd-DTPA in 225 Consecutive Cranial Cases: Adverse Reactions and Diagnostic Value**

B.R. Carollo, V.M. Runge, A.C. Price, K.L. Nelson, C.R. Wolf, and M.I. Pacetti

381

**CSF Flow Artifact Reduction Using Cardiac Cycle Ordered Phase-Encoding Method**

M.H. Cho, W.S. Kim, and Z.H. Cho

395

**A Technique for MR Imaging of the Knee Under Large Flexing Angles**

J.W. Carlson, M. Gyori, and L. Kaufman

407

<b>The Clinical Significance of Stage 2 Meniscal Abnormalities on Magnetic Resonance Knee Images</b> E.H. Dillon, C.F. Pope, P. Jokl, and K. Lynch	411
<b>Incidental Magnetization Transfer Contrast in Standard Multislice Imaging</b> W.T. Dixon, H. Engels, M. Castillo, and M. Sardashti	417
<b>MRI Effects on the Teratogenicity of X-Irradiation in the C57BL/6J Mouse</b> D.A. Tyndall	423
<b>Water <math>^1\text{H}</math> Spin-Lattice Relaxation as <i>Fingerprint</i> of Porous Media</b> G.C. Borgia, P. Fantazzini, and E. Mesini	435
<b>Motion Dependence of Myocardial Transverse Relaxation Time in Magnetic Resonance Imaging</b> J. Katz, L.M. Buxt, R.R. Sclacca, and P.J. Cannon	449
<b>Sodium-23 and Proton Nuclear Magnetic Resonance Imaging Studies of Carbon Tetrachloride-Induced Liver Damage in the Rat</b> M. Brauer, R.A. Towner, and D.L. Foxall	459
<b>The Relationship Between Thermodynamics and the Toxicity of Gadolinium Complexes</b> W.P. Cacheris, S.C. Quay, and S.M. Rocklage	467
<b>Simulation of the Influence of Magnetic Field Inhomogeneity and Distortion Correction in MR Imaging</b> J. Weis and L. Budinský	483
<b>Tissue Characterization of Brain Tumors During and After Pion Radiation Therapy</b> P. Boesiger, R. Greiner, R.E. Schoepflin, R. Kann, and U. Kuenzi	491
<b>Proton Relaxation Enhancement in Experimental Brain Tumors—In Vivo NMR Study of Manganese(III)TPPS in Rat Brain Gliomas</b> K. Bockhorst, M. Höhn-Berlage, M. Kocher, and K.-A. Hossman	499
<b>Small Animal MRI at 0.35 Tesla: Growth and Morphology of Intra-Organ Murine Tumors</b> T.M. Button, R.J. Fiel, M. Goldrosen, and N. Paolini	505
<b>● CASE REPORT</b>	
<b>Spectroscopic MRI: A Tool for the Evaluation of Systemic Lipid Storage Disease</b> A. Leroy-Willig, D. Duboc, J. Bittoun, O. Jolivet, R. Doumith, M. Paturneau-Jouas, I. Idy-Peretti, and A. Syrota	511
<b>● TECHNICAL NOTE</b>	
<b>A New, Fully Versatile Surface Coil for MRI</b> J. Rousseau, P. Lecouffe, and X. Marchandise	517
<b>● NEW PATENTS</b>	
<b>New Patents and Published Patent Applications from the United States and Over 30 Other Countries</b>	I



## CONTENTS

## ● ORIGINAL CONTRIBUTIONS

- Gadolinium-DTPA-Enhanced and Digitally Subtracted Magnetic Resonance Imaging of Estrogen-Induced Pituitary Lesions in Rats: Correlation with Pituitary Anatomy**  
J.H.J. van Nesselrooij, N.M. Szeverenyi, G.M. Tillapaugh-Fay, and F.G.J. Hendriksen 525
- Multiecho Multimoment Refocussing of Motion in Magnetic Resonance Imaging: MEM-MO-RE**  
J.L. Duerk, O.P. Simonetti, G.C. Hurst, and A.O. Motta 535
- Measurement of CSF Flow Using an Interferographic MR Technique Based on the RARE-FAST Imaging Sequence**  
J. Hennig, D. Ott, Th. Adam, and H. Friedburg 543
- Contrast Manipulation and Artifact Assessment of 2D and 3D RARE Sequences**  
R.V. Mulkern, S.T.S. Wong, C. Winalski, and F.A. Jolesz 557
- Pharmacokinetic Analysis of Blood Distribution of Intravenously Administered  $^{153}\text{Gd}$ -Labeled  $\text{Gd}(\text{DTPA})^{2-}$  and  $^{99\text{m}}\text{Tc}(\text{DTPA})$  in Rats**  
P. Wedeking, S. Eaton, D.G. Covell, S. Nair, M.F. Tweedle, and W.C. Eckelman 567
- Observer Reliability in CT and MRI of the Abdomen/Pelvis**  
D.M. Reker, J.W. Fletcher, S. Tantana, B. Mahanta, W. Vas, R. Yoo, R.J. Gresick, Jr., J.C. Romeis, C.C.D. DuMontier, E. Heiberg, M.K. Wolverson, and H.G. Greditzer, III 577
- MRI of Aggressive Fibromatosis: Frequent Appearance of High Signal Intensity on  $T_2$ -Weighted Images**  
R. Feld, D.L. Burk, Jr., P. McCue, D.G. Mitchell, R. Lackman, and M.D. Rifkin 583
- Paramagnetic Oil Emulsions as Oral Magnetic Resonance Imaging Contrast Agents**  
K.C.P. Li, P.G.P. Ang, R.P. Tart, B.L. Storm, R. Rolfes, and P.C.K. Ho-Tai 589
- Prolonged  $T_1$  in Patients with Liver Cirrhosis: An In Vivo MRI Study**  
C. Thomsen, P. Christoffersen, O. Henriksen, and E. Juhl 599
- Effect of Tissue Fat and Water Content on Nuclear Magnetic Resonance Relaxation Times of Cardiac and Skeletal Muscle**  
T.D. Scholz, S.R. Fleagle, F.C. Parrish, T. Breon, and D.J. Skorton 605
- Demonstration of Aortic Lesions Via Cine Magnetic Resonance Imaging**  
S.B. Sonnabend, P.M. Colletti, and M.J. Pentecost 613
- Truncated Sinc Slice Excitation for  $^{31}\text{P}$  Spectroscopic Imaging**  
J.R. MacFall, H.C. Charles, and R. Prost 619
- MR Imaging of Pulmonary Parenchyma and Emboli by Paramagnetic and Superparamagnetic Contrast Agents**  
M.L. Thakur, S. Vinitski, D.G. Mitchell, P.M. Consigny, S. Lin, and M. Rifkin 625

<b>MR Imaging of Experimental and Clinical Thrombi at 1.5 T</b> J.C. Bass, L.W. Hedlund, and H.D. Sostman	631
<b>A Functionalized Superparamagnetic Iron Oxide Colloid as a Receptor Directed MR Contrast Agent</b> L. Josephson, E.V. Groman, E. Menz, J.M. Lewis, and H. Bengel	637
<b>● CASE REPORTS</b>	
<b>Cervicothoracic Myelopathy in Conradi-Hunermann Disease: MRI Diagnosis</b> P. Goodman and R. Dominguez	647
<b>Primary Left Atrial Angiosarcoma: Follow-Up by Magnetic Resonance Imaging</b> J.P. Laissy, P. Bernier, B. Patru, C. Duchateau, J.P. Gaillard, J. Thiebot, and M. Berozio	651
<b>Magnetic Resonance Imaging of a Third Trimester Abdominal Pregnancy</b> W.D. Murphy, D.H. Feiglin, C.C. Cisar, A.M. Al-Malt, and E.M. Bellon	657
<b>Left Ventricular Aneurysmectomy After Myocardial Infarction Following Detection of Left Ventricular Thrombosis by Magnetic Resonance Imaging</b> R.R. Lalisang, L.H.B. Baur, E.E. van der Wall, A. de Roos, and A.V.G. Bruschke	661
<b>MR Imaging of Pterygoid Muscle Inflammation</b> A.P. Ciacchella and W.L. Higgins	665
<b>Childhood Chondrosarcoma: MR Imaging with Gadolinium-DTPA</b> S.L. Hanna, H.L. Magill, D.M. Parham, L.C. Bowman, and B.D. Fletcher	669
<b>● BOOK REVIEW</b>	
<b>A Non-Mathematical Approach to Basic MRI</b> Reviewed by Robin A. Greene	673
<b>● NEW PATENTS</b>	
<b>New Patents and Published Patent Applications from the United States and Over 30 Other Countries</b>	I

---

VOLUME 8, NUMBER 6

1990

## CONTENTS

### ● ORIGINAL CONTRIBUTIONS

<b>Wireless Retrospective Gating: Application to Cine Cardiac Imaging</b> T.A. Spraggins	675
<b>Gadolinium-DTPA-Enhanced MRI of Intraocular Tumors</b> G. Adam, M. Brab, K. Bohndorf, and R.W. Günther	683
<b>Spin-Lattice Relaxation Times and Nuclear Overhauser Enhancement Effect for <sup>31</sup>P Metabolites in Model Solutions at Two Frequencies: Implications for In Vivo Spectroscopy</b> M. Mathur-De Vré, C. Maerschalk, and C. Delporte	691



<b>Magnetic Resonance Imaging as an Adjunct to Sonography in the Evaluation of the Female Pelvis</b> T.J. Riccio, H.G. Adams, D.E. Munzing, and R.F. Mattrey	699
<b>Fiber-to-Field Angle Dependence of Proton Nuclear Magnetic Relaxation in Collagen</b> S Peto and P. Gillis	705
<b>The Application of Proton Nuclear Magnetic Resonance Imaging for the In Vivo Characterisation of Chemically Induced Renal Lesions in Rats Over a Prolonged Time Study</b> J.S. Finney, P.H. Bach, M.-C. Bushell, N.N. Gregg, and D.G. Taylor	713
<b>A Technique for Flow-Enhanced Magnetic Resonance Angiography of the Lower Extremities</b> R.E. Wendt III, W. Nitz, J.D. Morrisett, and T.D. Hedrick	723
<b>A Novel Editing Technique for <sup>19</sup>F MRI: Molecule-Specific Imaging</b> R.P. Mason, N. Bansal, E.E. Babcock, R.L. Nunnally, and P.P. Antich	729
<b>Predictability of SNR and Reader Preference in Clinical MR Imaging</b> R.S. Owen and F.W. Wehrli	737
<b>Magnetic Resonance Imaging of the Thoracic Cavity Using a Paused 3DFT Acquisition Technique</b> R.L. Stern, G.A. Johnson, and C.E. Ravin	747
<b>The Effects of Restricted Diffusion in Nuclear Magnetic Resonance Microscopy</b> B.P. Hills, K.M. Wright, and P.S. Belton	755
<b>Slice Profile Improvement for a Clinical MRI System</b> J. Mao, H. Yan, and J.R. Fitzsimmons	767
<b>Changes in MR Signal Intensity and Contrast Enhancement of Therapeutically Irradiated Soft Tissue</b> B.D. Fletcher, S.L. Hanna, and L.E. Kun	771
<b>Localized In Vivo Proton Spectroscopy of the Bone Marrow in Patients with Leukemia</b> K.E. Jensen, M. Jensen, P. Grundtvig, C. Thomsen, H. Karle, and O. Henriksen	779
<b>Magnetic Resonance Imaging and Computer Tomography in Pelizaeus-Merzbacher Disease</b> P.A. Caro and H.G. Marks	791
<b>Approach to Equilibrium in Snapshot Imaging</b> R.A. Jones and P.A. Rinck	797
<b>MRI and Diabetic Foot Infections</b> A. Wang, D. Weinstein, L. Greenfield, L. Chiu, R. Chambers, C. Stewart, G. Hung, F. Diaz, and T. Ellis	805
<b>Varied MR Appearance of Autism: Fifty-Three Pediatric Patients Having the Full Autistic Syndrome</b> M.A. Nowell, D.B. Hackney, A.S. Muraki, and M. Coleman	811
<b>● CASE REPORTS</b>	
<b>Severe Anaphylactoid Reaction After IV Gd-DTPA</b> K.L. Weiss	817

<b>Cerebral Abnormalities in Wilson's Disease as Evaluated by Ultra-Low-Field Magnetic Resonance Imaging and Computerized Image Processing</b> T. Linné, I. Agartz, J. Sääf, and L.-O. Wahlund	819
<b>Cardiac Lipoma: Six-Year Follow-up with MRI Characteristics, and a Review of the Literature</b> G.I. Hananouchi and W.B. Goff II	825
● <i>TECHNICAL NOTE</i>	
<b>Advances in Cardiac Applications of Subsecond FLASH MRI</b> D. Chien, K.-D. Merboldt, W. Hänicke, H. Bruhn, M.L. Gyngell, and J. Frahm	829
● <i>LIST OF CONTENTS, AUTHOR INDEX, KEYWORD INDEX, VOLUME 8, 1990</i>	837
● <i>NEW PATENTS</i>	
<b>New Patents and Published Patent Applications from the United States and Over 30 Other Countries</b>	I

